

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	1	("5,384,250").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/15 14:29
S1	20	US-4692332-\$.DID. OR US-4873316-\$.DID. OR US-4877610-\$.DID. OR US-4966753-\$.DID. OR US-4970071-\$.DID. OR US-5130415-\$.DID. OR US-5206153-\$.DID. OR US-5302698-\$.DID. OR US-5322775-\$.DID. OR US-5384250-\$.DID. OR US-5589604-\$.DID. OR US-5633076-\$.DID. OR US-5639940-\$.DID. OR US-5648243-\$.DID. OR US-5723585-\$.DID. OR US-5766884-\$.DID. OR US-5827690-\$.DID. OR US-5831141-\$.DID. OR US-5843705-\$.DID. OR US-5843776-\$.DID.	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:50
S2	4	US-5965528-\$.DID. OR US-6013857-\$.DID. OR US-6288034-\$.DID. OR US-6331611-\$.DID.	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:42
S3	10348	Alphafetoprotein or AFP or foetoprotein or fetoprotein	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:46
S4	70	S3 near8 (mutant or mutation or mutate)	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:46
S5	2	S4 with "233"	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:45
S6	2	S4 with glutamine	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:45
S7	0	S6 not S5	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:45
S8	26	Alphafoetoprotein	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:46
S9	0	S8 near8 (mutant or mutation or mutate)	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:46
S10	10348	Alphafetoprotein or AFP or foetoprotein or fetoprotein	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:50
S11	26	Alphafoetoprotein	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:50
S12	329	(S10 or S11) with fragment	US-PGPUB; USPAT	ADJ	ON	2006/09/15 12:50

EAST Search History

S13	15	S12 with domain	US-PGPUB; USPAT	ADJ	ON	2006/09/15 14:29
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NEWS 4 MAY 10 CA/Caplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/Caplus and
USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/Caplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in [WP]
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/Caplus(SM) Austrian patent law changes
NEWS 18 SEP 11 CA/Caplus enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT:
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AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY
TOTAL SESSION
0.21 0.21

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=> s alpha(w) fetoprotein
3222172 ALPHA
189 FETOPROTEIN
L1 175 ALPHA(W) FETOPROTEIN

=> index biosci
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY
TOTAL SESSION
9.96 10.17

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPIUS,
CEABA-VTB, CIN, CONFESCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOGZ, DRUGJ, EMBAL, EMBASE, ...' ENTERED AT 13:38:11 ON 15 SEP 2006

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view

search error messages that display as 0 with SET DETAIL OFF.

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=> s l1
100 FILE ADISCTI
16 FILE ADISINSIGHT
37 FILE ADISNEWS
97 FILE AGRICOLA
88 FILE ANABSTR
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121 FILE BIOENG
10149 FILE BIOSIS
298 FILE BIOTECHABS
298 FILE BIOTECHDS
2470 FILE BIOTECHNO
343 FILE CABA
5780 FILE CAPLUS
20 FILE CEABA-VTB
28 FILE CIN
<-----User Break----->

=> s l1 and (mutant or mutation or mutate) and glutamine
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1 FILE CAPLUS
23 FILES SEARCHED...
1 FILE EMBASE
1 FILE IFIPAT
1 FILE MEDLINE
49 FILES SEARCHED...
2 FILE SCISEARCH
1 FILE TOXCENTER
4392 FILE USPATFULL
342 FILE USPAT2
9 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L2 QUE L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE

=> d rank
F1 4392 USPATFULL
F2 342 USPAT2
F3 2 SCISEARCH
F4 1 BIOTECHNO
F5 1 CAPLUS
F6 1 EMBASE
F7 1 IFIPAT
F8 1 MEDLINE
F9 1 TOXCENTER

=> file f3-f9
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY TOTAL
2.44 12.61

FILE 'SCISEARCH' ENTERED AT 13:40:19 ON 15 SEP 2006
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=> s l2
L3 2 L2

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 2 DUP REM L3 (0 DUPLICATES REMOVED)

=> d l4 bib ab 1-2

L4 ANSWER 1 OF 2 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on
STN
AN 1995:747120 SCISEARCH <<LOGINID::20060915>>
GA The Genuine Article (R) Number: TC362
T1 PROLIFERATION AND DIFFERENTIATION OF A HUMAN HEPATOBLASTOMA TRANSPLANTED
IN THE NUDE-MOUSE
AU DESDOUTS C (Reprint); FABRE M; GAUTHIER F; BRECHOT C; SOBZAKTHEPOT J
CS FAC MED NECKER ENFANTS MALAD, INSERM, U370, F-75730 PARIS 13, FRANCE; HOP
BICETRE, SERV CENT ANAT PATHOL, LE KREMLIN BICETR, FRANCE
CYA FRANCE
S0 JOURNAL OF HEPATOLOGY, (NOV 1995) Vol. 23, No. 5, pp. 569-577.
ISSN: 0169-5185.
PB MUNKSGAARD INT PUBL LTD, 35 NORRE SOGADE, PO BOX 2148, DK-1016 COPENHAGEN,
DENMARK.
DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 36
ED Entered STN: 1995
Last Updated on STN: 1995
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
AB A pure epithelial human hepatoblastoma was directly transplanted to
athymic Nude mice to provide a model system to study proliferation acid
differentiation of these tumoral cells, The first transplantation selected
the embryonal component of this tumor, while subsequent passages selected
in addition neuroendocrine and mesenchymal cells that evolved into osteoid
and bony trabeculae, The embryonal character of this hepatoblastoma was
further demonstrated by the expression of ***glutamine*** synthetase
mRNA and a fetal pattern of mRNAs encoding insulin-like growth factor II,
```

However, alphafetoprotein mRNA was detectable in neither the original nor the transplanted tumors. Finally, although p53 mRNA levels were increased, no ***mutation*** was detected in the p53 gene. (C) Journal of Hepatology.

L4 ANSWER 2 OF 2 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 1992:78872 SCISEARCH <LOGINID::20060915>
GA The Genuine Article (R) Number: HB111
TI NUCLEOTIDE-SEQUENCE OF PROTHROMBIN GENE IN ABNORMAL PROTHROMBIN-PRODUCING
HEPATOCELLULAR-CARCINOMA CELL-LINES
AU TAGAWA M; ONATA M (Reprint); OHTO M
CS CHIBA UNIV, SCH MED, DEPT MED 1, 1-8-1 INOHANA, CHIBA 280, JAPAN (Reprint)
CYA JAPAN
SO CANCER, (1 FEB 1992) Vol. 69, No. 3, pp. 643-647.
ISSN: 0008-543X.
PB WILEY-LISS, DIV JOHN WILEY & SONS INC 605 THIRD AVE, NEW YORK, NY
10158-0012.
DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 36
ED Entered STN: 1994
Last Updated on STN: 1994

AB *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
A protein induced by vitamin K absence or antagonist II, PIVKA-II is synthesized in the liver and possesses a structure similar to prothrombin except that ten glutamic acid residues in amino-terminal Gla domain are not completely gamma-carboxylated and are functionally inactive. This protein can be detected in the plasma of patients with hepatocellular carcinoma (HCC) and used as a new tumor marker. To analyze the mechanism of PIVKA-II production in HCC tissue, the prothrombin gene of PIVKA-II-secreting HCC cell lines was sequenced to detect the ***mutation*** in the Gla domain and carboxylase recognition site of leader sequence located on exons I and II that may cause the inhibition of carboxylation. Exons I and II and donor and acceptor site of intron I of the prothrombin gene in two HCC cell lines, PLC/PRF/5 and Huh-2, were analyzed by polymerase chain reaction (PCR), and the product was sequenced directly. In addition, RNA samples of these cell lines were used for complementary DNA synthesis, followed by PCR and sequencing. The nucleotide sequences of the Gla domain in both HCC cell lines were conserved. One nucleotide change was detected at nt.554 (adenine to guanine), but this did not influence the amino acid sequence. Splicing sites between exons I and II, the leader sequence of the precursor prothrombin, and protease target sites also were conserved as the reported prothrombin gene, and mutations reported for other des-gamma-carboxy prothrombin factors were not detected. These results also were confirmed by DNA analysis of seven human fresh-frozen samples (three PIVKA-II-positive HCC samples and four control specimens). The mechanism of PIVKA-II production in HCC is still unclear, but it is not caused by ***mutation*** in the prothrombin gene.

=> d hls

(FILE 'HOME' ENTERED AT 13:37:35 ON 15 SEP 2006)

L1 FILE 'REGISTRY' ENTERED AT 13:37:52 ON 15 SEP 2006
175 S ALPHA(W) FETOPROTEIN

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGO, EMBAL, EMBASE, ...' ENTERED AT 13:38:11 ON 15 SEP 2006
SEA L1

100 FILE ADISCTI
16 FILE ADISINSIGHT
37 FILE ADISNEWS
97 FILE AGRICOLA
88 FILE ANABSTR
6 FILE AQUASCI
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10149 FILE BIOSIS
298 FILE BIOTECHABS
298 FILE BIOTECHDS
2470 FILE BIOTECHNO
343 FILE CABA
5780 FILE CAPLUS
20 FILE CEABA-VTB
28 FILE CIN
197 FILE CONFSCI
102 FILE DDFB
0* FILE DDFU

SEA L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE

1 FILE BIOTECHNO
1 FILE CAPLUS
1 FILE EMBASE
1 FILE IFIPAT
1 FILE MEDLINE
2 FILE SCISEARCH
1 FILE TOXCENTER
4392 FILE USPATFULL
342 FILE USPAT2

QUE L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE

L2 FILE 'SCISEARCH, BIOTECHNO, CAPLUS, EMBASE, IFIPAT, MEDLINE, TOXCENTER' ENTERED AT 13:40:19 ON 15 SEP 2006

L3 2 S L2

L4 2 DUP REM L3 (0 DUPLICATES REMOVED)

=> index biosci -uspatfull -uspat

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FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE TOTAL

FULL ESTIMATED COST ENTRY SESSION

42.81 55.42

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPIUS, CABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONO2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:42:03 ON 15 SEP 2006

68 FILES IN THE FILE LIST IN STNINDEX

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=> s L1 AND (MUTANT OR MUTATION OR MUTATE)

2 FILE ADISINSIGHT
1 FILE AGRICOLA
4 FILE BIOENG
154 FILE BIOSIS
15 FILE BIOTECHABS
15 FILE BIOTECHDS
101 FILE BIOTECHNO
11 FILE CABA
140 FILE CAPIUS
1 FILE CONFSCI
2 FILE DDFU
85 FILE DGENE
7 FILE DISSABS

25 FILES SEARCHED...

3 FILE DRUGU
2 FILE EMBAL
234 FILE EMBASE
70 FILE ESBIOBASE
1 FILE GENBANK
46 FILE IFIPAT
31 FILE JICST-EPIJUS
40 FILE LIFESCI
153 FILE MEDLINE
1 FILE NTIS
78 FILE PASCAL
7 FILE PROMT
147 FILE SCISEARCH
73 FILE TOXCENTER
420 FILE USPAT2
62 FILES SEARCHED...
22 FILE WPIDS
5324 FILE USPATFULL

31 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L5 QUE L1 AND (MUTANT OR MUTATION OR MUTATE)

=> d rank

F1 5324 USPATFULL
F2 420 USPAT2
F3 234 EMBASE
F4 154 BIOSIS
F5 153 MEDLINE
F6 147 SCISEARCH
F7 140 CAPIUS

F8	101	BIOTECHNO
F9	85	DGENE
F10	78	PASCAL
F11	73	TOXCENTER
F12	70	ESBIOBASE
F13	46	IFIPAT
F14	40	LIFESCI
F15	31	JICST-EPIJUS
F16	22	WPIDS
F17	22	WPINDEX
F18	15	BIOTECHABS
F19	15	BIOTECHDS
F20	11	CABA
F21	7	DISSABS
F22	7	PROMT
F23	4	BIOENG
F24	3	DRUGU
F25	2	ADISINSIGHT
F26	2	DDFU
F27	2	EMBAL
F28	1	AGRICOLA
F29	1	CONFSCI
F30	1	GENBANK
F31	1	NTIS

=> file f3-f31
COST IN U.S. DOLLARS
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TOTAL SESSION
57.25
1.83

FULL ESTIMATED COST

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=> s 15
 L1 FILES SEARCHED...
 L6 478 L5

=> dup rem L6
 DUPLICATE IS NOT AVAILABLE IN 'DCENE, ADISINSIGHT, GENBANK'.
 ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
 PROCESSING COMPLETED FOR L6
 L7 314 DUP REM L6 (164 DUPLICATES REMOVED)

=> s 17 and human
 L8 7 FILES SEARCHED...
 L8 166 L7 AND HUMAN
 => s 18 and 233
 L9 0 L8 AND 233

<-----User Break----->

SEARCH ENDED BY USER

=> s 18 and (domain(w) 11)
 L10 0 L8 AND (DOMAIN(W) 11)

=> d 18 trial 1-3

L8 ANSWER 1 OF 166 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on
 STN
 AN 2006:609211 SCISEARCH
 GA The Genuine Article (R) Number: 055RC
 TI Differential promoter usage for insulin-like growth factor-II gene in
 Chinese hepatocellular carcinoma with hepatitis B virus infection
 REC Reference Count: 49
 CC ONCOLOGY
 ST Author Keywords: hepatocellular carcinoma; insulin-like growth factor-II;
 genes; promoters; hepatitis B virus; prognosis; p53 **mutation*** ;
 DNA extraction; adjacent tumor tissue; hepatocapsular invasion;
 alpha - ***fetoprotein*** ; microsatellite formation
 STP Keywords Plus (R): GAIN-OF-FUNCTION; IGF-II; MESSENGER-RNA; TRANSGENIC
 MICE; FUNCTION MUTATIONS; EXPRESSION; P53; HEPATOCARCINOGENESIS;
 TRANSCRIPTION; ACTIVATION
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L8 ANSWER 2 OF 166 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on
 STN
 AN 2006:582594 SCISEARCH
 GA The Genuine Article (R) Number: 050YB
 TI Evaluation of serum levels of p53 in hepatocellular carcinoma in Egypt
 REC Reference Count: 16
 CC MEDICAL LABORATORY TECHNOLOGY
 ST Author Keywords: ***alpha*** - ***fetoprotein*** ; hepatitis B virus

STP (HBV); hepatitis C virus (HCV); hepatocellular carcinoma; p53
 Keywords Plus (R): HEPATITIS-C; B-VIRUS; PROGNOSIS; GENE
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L8 ANSWER 3 OF 166 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on
 STN
 AN 2006:417537 SCISEARCH
 CA The Genuine Article (R) Number: 035PH
 TI Subcloning and expression of ***human*** **alpha*** -
 fetoprotein gene in Pichia pastoris
 REC Reference Count: 22
 CC BIOTECHNOLOGY & APPLIED MICROBIOLOGY
 ST Author Keywords: ***alpha*** - ***fetoprotein*** ; Pichia pastoris;
 cloning; expression
 STP Keywords Plus (R): YEAST; PROTEIN; DNA; CONSERVATION; ALBUMIN; REGION
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

=> s l8 and (nonglycosylat? or (non(w) glycolylat?))
 L11 1 l8 AND (NONGLYCOSYLAT? OR (NON(W) GLYCOLYLAT?))
 L12 1 l8 AND PROKARYOT?

=> d l11 bib ab

L11 ANSWER 1 OF 1 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2004-226901 (21) WPIDS <<LOGINID::20060915>>
 DNC C2004-089523
 TI New purified thrombospondin fragment extracted from a body fluid, useful
 for diagnosing cancer e.g. adenoma, adenocarcinoma, carcinoma, lymphoma or
 leukemia or as calibrators, indicators, immunogens and analytes.
 DC B04 D16
 IN WILLIAMS, K J
 PA (WILL-1) WILLIAMS K J
 CYC 106
 PI RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS
 LU MC MW NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZH ZW
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 VN YU ZA ZM ZW
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 AU 2003262727 A1 20040311 (200457)
 US 2005065324 A1 20050324 (200526)
 EP 1572225 A2 20050914 (200560)
 R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV
 MC MK NL PT RO SE SI SK TR
 AU 2003262727 A8 20051103 (200629)
 WO 2004018995 A2 WO 2003-US26023 20030820; US 2004053392 A1 Provisional US
 2002-405494P 20020823, US 2003-419462 20030421; AU 2003262727 A1 AU
 2003-262727 20030820; US 2005065324 A1 Provisional US 2002-405494P
 20020823, CIP of US 2003-419462 20030421, US 2004-782968 20040220; EP
 1572225 A2 EP 2003-793149 20030820, WO 2003-US26023 20030820; AU
 2003262727 A8 AU 2003-262727 20030820

FDT AU 2003262727 A1 Based on WO 2004018995; EP 1572225 A2 Based on WO
 2004018995; AU 2003262727 A8 Based on WO 2004018995
 PRAI US 2003-419462 20030421; US 2002-405494P 20020823
 AB WO2004018995 A UPAB: 20040326
 NOVELTY - A purified thrombospondin fragment that has been extracted from
 a bodily fluid, where the fragment is within a molecular weight range
 selected from 80-10 kDa, 40-60 kDa or 20-35 kDa, and where the size in kDa
 is determined by gel electrophoresis after disulfide bond reduction, is
 new.
 DETAILED DESCRIPTION - A thrombospondin fragment or its portion
 comprising:
 (a) one that starts between amino acyl residues N-230 and G-253
 inclusive and ends between amino acyl residues V-400 and S-428;
 (b) one that starts between amino acyl residues N-230 and G-253,
 inclusive and ends between amino acyl residues D-527 and S-551;
 (c) one that starts between amino acyl residues N-230 and G-253,
 inclusive and ends between amino acyl residues G-787 and V-811;
 (d) one that starts between amino acyl residues I-165 and V-263,
 inclusive and ends between amino acyl residues K-412 and I-530;
 (e) one that starts between amino acyl residues I-165 and V-263,
 inclusive, and ends between amino acyl residues I-530 and R-733;
 (f) one that starts between amino acyl residues I-165 and V-263,
 inclusive, and ends between amino acyl residues R-733 and Y-982;
 (g) one that starts between amino acyl residues I-165 and V-263,
 inclusive, and ends between amino acyl residues K-412 and I-530;
 (h) one that starts between amino acyl residues I-165 and V-263,
 inclusive, and ends between amino acyl residues I-530 and R-733;
 (i) one that starts between amino acyl residues I-165 and V-263,
 inclusive, and ends between amino acyl residues R-792 and Y-982.
 The thrombospondin fragment comprises at least 4-6 contiguous amino
 acyl residues from the thrombospondin sequence, where the amino acid
 sequence of the fragment is limited to one that is outside of a
 thrombospondin region given above.
 INDEPENDENT CLAIMS are also included for:
 (1) a molecule identical in primary structure to the compound above;
 (2) a method to detect and/or quantify a thrombospondin fragment;
 (3) a method of producing antibodies against a thrombospondin
 fragment comprising administering the fragment to an organism capable of
 producing antibodies;
 (4) a monoclonal or polyclonal antibody produced by the method of
 (3);
 (5) a cell line producing the monoclonal antibodies or the binding
 agent;
 (6) a method of producing a peptide or non-peptide binding agent
 against a thrombospondin fragment;
 (7) a kit for the determination of the presence of, and/or the amount
 of, and/or the concentration of, a thrombospondin fragment in a material
 taken or gathered from an organism comprising the thrombospondin fragment,
 a binding agent that will react with thrombospondin but not with the
 fragment or fragments of interest or an antibody that will react
 thrombospondin fragments of interest but not with thrombospondin;
 (8) a method comprising determining the amount of the unlabeled or
 differently labeled fragment through comparison to the results obtained
 from the unlabeled or differently labeled fragment;
 (9) a method to detect the presence and/or clinical course of a
 neoplastic disease in an individual; and
 (10) a method of producing a binding agent against a thrombospondin

fragment comprising binding a phase to the thrombospondin fragment.

USE - The thrombospondin fragments are useful in diagnostic methods for cancer, as method calibrators, method indicators, as immunogens and as analytes for methods with sustained clinical utility. Cancer is selected from adenoma, adenocarcinoma, carcinoma, lymphoma, leukemia, solid cancer, liquid cancer, metastatic cancer, pre-metastatic cancer, non-metastatic cancer, a cancer with vascular invasion, internal cancer, skin cancer, cancer of the respiratory system, cancer of the circulatory system, cancer of the musculoskeletal system, cancer of a muscle, cancer of a bone, cancer of a joint, cancer of a tendon or ligament, cancer of the digestive system, cancer of the liver or biliary system, cancer of the pancreas, cancer of the head, cancer of the neck, cancer of the endocrine system, cancer of the reproductive system, cancer of the male reproductive system, cancer of the female reproductive system, cancer of the genitourinary system, cancer of a kidney, cancer of the urinary tract, cancer of a sensory system, cancer of the nervous system, cancer of a lymphoid organ, blood cancer, cancer of a gland, cancer of a mammary gland, cancer of a prostate gland, cancer of an endometrial tissue, cancer of a mesodermal tissue, cancer of an ectodermal tissue, cancer of an endodermal tissue, a teratoma, a poorly-differentiated cancer, a well-differentiated cancer, and a moderately differentiated cancer.

Dwg.0/4

=> d 112 bib ab

L12 ANSWER 1 OF 1 WPIDS COPYRIGHT 2006 THE THOMSON CORP ON STN
AN 2005-223393 [23] WPIDS <<LOGINID::20060915>>
DNC C2005-071646
TI New bifunctional protein comprising polypeptide domains with desired bioactivity and encodes ***human*** or its fragment, useful for treating e.g., viral infection, cancer rheumatoid arthritis and rhinitis.

DC B04 D16
IN COX, G; MEADE, H; COX, G F
PA (COXG-I) COX G F; (MEAD-I) MEADE H; (GENZ) GTC BIOTHERAPEUTICS INC
CYC 109
PI WO 2005024044 A2 20050317 (200523)+ EN 127
RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE
LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TH TZ UG ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE
DK DM DZ EC EE EG ES FI GB GD GE GH GM GR HU ID IL IN IS JP KE KG
KP KR KZ LC LR LS LT LU LV MA MD MG MK MN MW MX NZ NA NI NO NZ
OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TT TZ UA UG
US UZ VC VN YU ZA ZW
US 2006105347 A1 20060518 (200634)
EP 1670931 A2 20060621 (200643) EN
R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LJ MC NL PL
PT RO SE SI SK TR

ADT WO 2005024044 A2 WO 2004-US29128 20040903; US 2006105347 A1 Provisional US
2003-500910P 20030905, US 2004-933854 20040903; EP 1670931 A2 EP
2004-783398 20040903, WO 2004-US29128 20040903
FDT EP 1670931 A2 Based on WO 2005024044
PRAI US 2003-500910P 20030905; US 2004-933854
AB WO2005024044 A UPAB: 20050411
NOVELTY - A bifunctional protein encoded by a transgene DNA construct comprising a first polypeptide domain which has a desired bioactivity and

a second polypeptide domain which has a desired bioactivity, where the encoded polypeptide of the first polypeptide domain is ***human***
alpha - ***fetoprotein*** or its fragment having the biological activity of ***human*** ***alpha*** - ***fetoprotein***, is new.

DETAILED DESCRIPTION - A bifunctional protein encoded by a transgene DNA construct comprising a first polypeptide domain which has a desired bioactivity and a second polypeptide domain which has a desired bioactivity, together comprising the fusion protein where each first and second polypeptide domains retain their desired bioactivity where the encoded polypeptide of the first polypeptide domain is ***human***
alpha - ***fetoprotein*** or its fragment having the biological activity of ***human*** ***alpha*** - ***fetoprotein***, is new.

INDEPENDENT CLAIMS are also included for the following:
(1) an isolated polynucleotide encoding the fully defined 591 amino acid (SEQ ID NO: 4) sequence given in the specification linked to any of 16 fully defined 93-464 amino acid (SEQ ID NO: 10-25) sequence given in the specification;
(2) a recombinant DNA vector comprising the nucleic acid sequence of the fusion protein, where the vector is an expression vector comprising a promoter operably linked to the fusion protein;
(3) a host cell transformed with the recombinant DNA vector;
(4) a fusion protein produced by a method comprising expressing the fusion protein above by a cell or transgenic animal and recovering the protein;
(5) a method for the production of transgenic animals capable of producing a fusion protein of interest;
(6) the resultant offspring of the method above;
(7) the resultant milk derived from the offspring; and
(8) an isolated nucleic acid sequence comprising fully defined 2029 bp (SEQ ID NO: 1) sequence given in the specification.

ACTIVITY - Virucide; Anti-HIV; Cytostatic; Antirheumatic; Antiarthritic; Neuroprotective; Osteopathic; Antipsoriatic; Muscular-Gen.; Immunosuppressive; Dermatological; Antiallergic; Antiinflammatory; Vulnery; Antidiabetic; Hepatotropic. No biological data given.

MECHANISM OF ACTION - Protein therapy.

USE - The fusion protein or a composition of matter containing the fusion protein is useful for treating a disease or condition such as viral infection, preferably caused by HIV, cancer (e.g., ***human*** cancer or tumor cell), rheumatoid arthritis, multiple sclerosis, osteoporosis, psoriasis, myasthenia gravis, ***human*** skin disease or injury such as photoaging damage, rhinitis, sunburn, dermatitis and burns, muscular dystrophy, insulin-dependent diabetes mellitus, systemic lupus erythematosus, Hairy cell leukemia, chronic myelogenous leukemia, cutaneous T cell lymphoma carcinoma tumors, renal cell carcinoma, squamous epithelial tumors of the head and neck, multiple myeloma, malignant melanoma, Hepatitis B, Hepatitis C or low grade non-Hodgkin lymphoma (claimed).

Dwg.0/4

=> log h
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 127.48 184.73

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:55:54 ON 15 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653raw

PASSWORD:
***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'EMBASE, BIOSIS, MEDLINE, SCISEARCH, CAPLUS, BIOTECHNO,
DGENE, PASCAL, TOXCENTER, ESI/BIOMBASE, IFIPAT, LIFESCI, JICST-EPLUS, WPIDS,
BIOTECHS, CABA, DISSABS, PROMT, BIOENG, DRUGU, ADISINSIGHT, EMBAL, AGRICOLA,
CONFSCI, GENBANK, NTIS' AT 13:56:14 ON 15 SEP 2006
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	127.48	184.73

=> d his

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FILE 'REGISTRY' ENTERED AT 13:37:52 ON 15 SEP 2006
L1 175 S ALPHA(W) FETOPROTEIN

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONO2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:38:11 ON 15 SEP 2006
SEA L1

100	FILE ADISCTI
16	FILE ADISINSIGHT
37	FILE ADISNEWS
97	FILE AGRICOLA
88	FILE ANABSTR
6	FILE AQUASCI
121	FILE BIOENG
10149	FILE BIOSIS
298	FILE BIOTECHS
298	FILE BIOTECHDS
2470	FILE BIOTECHNO
343	FILE CABA
5780	FILE CAPLUS
20	FILE CEABA-VTB
28	FILE CIN
197	FILE CONFSCI
102	FILE DDFB
0*	FILE DDFU

SEA L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE

1	FILE BIOTECHNO
1	FILE CAPLUS
1	FILE EMBASE
1	FILE IFIPAT
1	FILE MEDLINE
2	FILE SCISEARCH
1	FILE TOXCENTER
4392	FILE USPATFULL
342	FILE USPAT2

QUE L1 AND (MUTANT OR MUTATION OR MUTATE) AND GLUTAMINE

L2

L12 1 S L8 AND PROKARYOT?

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FULL ESTIMATED COST
SINCE FILE ENTRY
127.48
TOTAL SESSION
184.73

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:56:43 ON 15 SEP 2006

FILE 'SCISEARCH, BIOTECHNO, CAPLUS, EMBASE, IFIPAT, MEDLINE, TOXCENTER'
ENTERED AT 13:40:19 ON 15 SEP 2006
2 S L2
2 DUP REM L3 (0 DUPLICATES REMOVED)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROFU, DDFB, DGENE, DISSABS, DRUGB,
DRUGMONCZ, DRUGJ, EMBAL, EMBASE,...' ENTERED AT 13:42:03 ON 15 SEP 2006
SEA L1 AND (MUTANT OR MUTATE)

2 FILE ADISINSIGHT
1 FILE AGRICOLA
4 FILE BIOENG
154 FILE BIOSIS
15 FILE BIOTECHABS
15 FILE BIOTECHDS
101 FILE BIOTECHNO
11 FILE CABA
140 FILE CAPLUS
1 FILE CONFSCI
2 FILE DDFU
85 FILE DGENE
7 FILE DISSABS
3 FILE DRUGJ
2 FILE EMBAL
234 FILE EMBASE
70 FILE EMBASE
1 FILE GENBANK
46 FILE IFIPAT
31 FILE JICST-EPLUS
40 FILE LIFESCI
153 FILE MEDLINE
1 FILE NTIS
78 FILE PASCAL
7 FILE PROMT
147 FILE SCISEARCH
73 FILE TOXCENTER
420 FILE USPAT2
22 FILE WPIDS
22 FILE WPINDEX
5324 FILE USPATFULL
QUE L1 AND (MUTANT OR MUTATE)

L5

FILE 'EMBASE, BIOSIS, MEDLINE, SCISEARCH, CAPLUS, BIOTECHNO, DGENE,
PASCAL, TOXCENTER, EMBASE, IFIPAT, LIFESCI, JICST-EPLUS, WPIDS,
BIOTECHDS, CABA, DISSABS, PROMT, BIOENG, DRUGJ, ADISINSIGHT, EMBAL,
AGRICOLA, CONFSCI, GENBANK, NTIS' ENTERED AT 13:43:42 ON 15 SEP 2006

L6
L7
L8
L9
L10
L11
478 S L5
314 DUP REM L6 (164 DUPLICATES REMOVED)
166 S L7 AND HUMAN
0 S L8 AND 233
0 S L8 AND (DOMAIN(W) II)
1 S L8 AND (NONGLYCOSYLAT? OR (NON(W) GLYCOLYLAT?))